

FILEID**LRPTAB

K 4

LL	RRRRRRRR	PPPPPPPP	TTTTTTTT	AAAAAA	BBBBBBBB	
LL	RRRRRRRR	PPPPPPPP	TTTTTTTT	AAAAAA	BBBBBBBB	
LL	RR RR	PP PP	TT	AA AA	BB BB	BB
LL	RR RR	PP PP	TT	AA AA	BB BB	BB
LL	RR RR	PP PP	TT	AA AA	BB BB	BB
LL	RR RR	PP PP	TT	AA AA	BB BB	BB
LL	RRRRRRRR	PPPPPPPP	TT	AA AA	BBBBBBBB	
LL	RRRRRRRR	PPPPPPPP	TT	AA AA	BBBBBBBB	
LL	RR RR	PP	TT	AAAAAA	BB	BB
LL	RR RR	PP	TT	AAAAAA	BB	BB
LL	RR RR	PP	TT	AA AA	BB	BB
LL	RR RR	PP	TT	AA AA	BB BB	BB
LLLLLLLL	RR RR	PP	TT	AA AA	BBBBBBBB
LLLLLLLL	RR RR	PP	TT	AA AA	BBBBBBBB

LL	IIIIII	SSSSSSSS	
LL	IIIIII	SSSSSSSS	
LL	IIII	SS	
LL	IIII	SS	
LL	IIII	SS	
LL	IIII	SSSSSS	
LL	IIII	SSSSSS	
LL	IIII	SS	
LL	IIII	SS	
LL	IIII	SS	
LLLLLLLL	IIIIII	SSSSSSSS	
LLLLLLLL	IIIIII	SSSSSSSS	

MAC
Sym

REG
REP
REP
RFH
RFH
RFH
RFH
RFH
RGL
SBT
SET
SGN
SGN
STA
STA
STA
STO
TIT
VEC
VEC
VEC
WAR
WEA
WOR
XFE

PSE

MAC

Pha

Ini
Com
Pas
Sym
Pas
Sym
Pse
Crc
Ass

The
177
The
358
0 F

(2)	47	State Table	Current token is compared to each state below.
(3)	132	Action Table	Next action the parser should perform.
(4)	212	Pop Table	Number of arguments to pop from parser stack.
(5)	241	LHS Table	Left Hand Side of the statement.
(6)	270	Semantic Action	Dispatch table to semantic action routines.

Mac

-\$2
-\$2
TOT
0 G
The
MAC

```
0000 1 .title mac$lrptab      VAX-11 Macro-32 Assembler Grammar Tables
0000 2 .ident 'V04-000'
0000 3 :*****
0000 4 :*****
0000 5 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 6 :* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 7 :* ALL RIGHTS RESERVED.
0000 8 :*
0000 9 :*
0000 10 :* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 11 :* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0000 12 :* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0000 13 :* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 14 :* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 15 :* TRANSFERRED.
0000 16 :*
0000 17 :* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 18 :* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 19 :* CORPORATION.
0000 20 :*
0000 21 :* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 22 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 23 :*
0000 24 :*
0000 25 :*****
0000 26 :*
0000 27 :++
0000 28 :*
0000 29 : Facility:
0000 30 :*
0000 31 : VAX-11 Macro Assembler
0000 32 :*
0000 33 : Abstract:
0000 34 :*
0000 35 : This module contains the grammar parsing tables for the VAX-11 Macro
0000 36 : assembler.
0000 37 :*
0000 38 : Environment:
0000 39 :*
0000 40 : Native Mode, User Mode
0000 41 :*
0000 42 :*
0000 43 : Creation Date: April, 1983    Michael T. Rhodes
0000 44 :*
0000 45 :--
```

0000 47 .sbttl State Table Current token is compared to each state below.
 0000 48
 00000000 49 .psect mac\$parse_table, noexe, gbl, nowrt, long
 0000 50 .align long
 00000000 51
 00000000 52 null=0
 00000000 53 mtxt1=null
 00000000 54 mtxt2=null
 00000000 55
 00000000 56 pat\$ab_symlst::
 00000000 57 .byte 135,-

BF 8E 8D 8C 0D 8B 8A 89 01 08 88 87 0000
 57 56 98 97 4C 4B 4A 49 48 50 92 0C 000C
 63 52 51 60 54 99 58 67 68 66 62 61 0018
 4E 4F 53 76 77 9A 59 6A 69 6B 65 64 0024
 94 85 5B 5C 7A 79 A0 7B 9F 9E 9D 9C 0030
 82 81 39 3B 36 A5 A4 A2 12 0E 96 95 003C
 72 71 74 4D 6C 5D 5E 55 5A A1 A8 A6 0048
 7C 3C 38 47 46 75 84 70 6F 6E 6D 73 0054
 44 43 42 41 40 3F 83 3D AC AA 3E 7D 0060
 88 0A FD 37 33 78 35 34 80 7F 7E 45 006C
 91 04 90 0B FD 03 08 FC 88 0B FC 0B 0078
 21 2C B9 1A 20 B8 17 02 B7 31 2F B6 0084
 B1 22 12 0C B0 A7 AE 30 2E 2B 93 2D 0090
 29 B3 28 23 27 24 26 2A 19 25 15 B2 009C
 FD 31 FD 13 FC 03 91 FD 03 0F 0B FD 00A8
 B1 22 12 0C B0 A7 AE 93 FD 21 FD 14 00B4
 1D 1C 1B 1A 19 AF FC 1A 19 25 15 B2 00C0
 B1 22 12 0C 05 A7 FC AE FD 20 1F 1E 00CC
 FC 15 B2 B1 22 12 0C 05 A7 FC 15 B2 00D8
 1F 1E 1D 1C 1B 1A 19 AF 05 16 FC 93 00E4
 16 FC B5 16 B4 FD 32 31 B5 15 FD 20 00F0
 FD 19 FD 01 18 FD 01 31 FC B5 FD 0F 00FC
 31 FC 30 2E 2B 93 2D 21 31 B9 17 B8 0108
 1C 1B 1A 19 AF FC 93 FD 19 FD 18 FD 0114
 1A 19 AF FC 93 FD 21 FD 20 1F 1E 1D 0120
 1B 1A 19 AF 17 FD 20 1F 1E 1D 1C 1B 012C
 FC 93 FD 18 FD 31 FD 20 1F 1E 1D 1C 0138
 31 FD 20 1F 1E 1D 1C 1B 1A 19 AF 17 0144
 1D 1C 1B 1A 19 AF 17 FC 93 FD 18 FD 0150
 AF 17 FC 93 FD 18 FD 31 FD 20 1F 1E 015C
 18 FD 31 FD 20 1F 1E 1D 1C 1B 1A 19 0168
 1A 19 AF FC 93 FD 18 FD 31 FD 17 FD 0174
 FD 10 FD 11 10 FD 20 1F 1E 1D 1C 1B 0180
 OF FD 02 OF 0C FC 0B FC 02 93 FD 11 018C
 1E 1D 1C 1B 1A 19 AF FC 93 FC 02 93 0198
 20 1F 1E 1D 1C 1B 1A 19 AF FD 20 1F 01A4
 20 1F 1E 1D 1C 1B 1A 19 AF FC 93 FD 01B0
 15 B2 B1 22 12 0C B0 A7 AE 93 0F FD 01BC
 FD 29 B3 28 23 27 24 26 2A 1A 19 25 01C8
 FD 20 1F 1E 1D 1C 1B 1A 19 AF FC 93 01D4
 FD 0C FD 20 1F 1E 1D 1C 1B 1A 19 AF 01E0
 B2 B1 22 12 0C B0 A7 AE 93 0F FD 0C 01EC
 29 B3 28 23 27 24 26 2A 1A 19 25 15 01F8
 20 1F 1E 1D 1C 1B 1A 19 AF FC 93 FD 0204
 98 FD 20 1F 1E 1D 1C 1B 1A 19 AF FD 0210
 AF FC 02 93 FD 0C FD 0C FD 0F FD 0C 021C

58 136. 11. 1. 137. 138. 139. 13. 140. 141. 142. 143. 12.-
 59 146. 80. 72. 73. 74. 75. 76. 151. 152. 86. 87. 97.-
 60 98. 102. 104. 103. 88. 153. 84. 96. 81. 82. 99. 100.-
 61 101. 107. 105. 106. 89. 154. 119. 118. 83. 79. 78. 156.-
 62 157. 158. 159. 123. 160. 121. 122. 92. 91. 133. 148. 149.-
 63 150. 14. 18. 162. 164. 165. 54. 59. 57. 129. 130. 166.-
 64 168. 161. 90. 85. 94. 93. 108. 77. 116. 113. 114. 115.-
 65 109. 110. 111. 112. 132. 117. 70. 71. 56. 60. 124. 125.-
 66 62. 170. 172. 61. 131. 63. 64. 65. 66. 67. 68. 69.-
 67 126. 127. 128. 52. 53. 120. 51. 55. -3. 10. 136. 11.-
 68 -4. 11. 136. -4. 11. 3. -3. 11. 144. 4. 145. 182.-
 69 47. 49. 183. 2. 23. 184. 32. 26. 185. 44. 33. 45.-
 70 147. 43. 46. 48. 174. 167. 176. 12. 18. 34. 177. 178.-
 71 21. 37. 25. 42. 38. 36. 39. 35. 40. 179. 41. -3.-
 72 11. 15. 3. -3. 145. 3. -4. 19. -3. 49. -3. 20.-
 73 -3. 33. -3. 147. 174. 167. 176. 12. 18. 34. 177. 178.-
 74 21. 37. 25. 26. -4. 175. 25. 26. 27. 28. 29. 30.-
 75 31. 32. -3. 174. -4. 167. 5. 12. 18. 34. 177. 178.-
 76 21. -4. 167. 5. 12. 18. 34. 177. 178. 21. -4. 147.-
 77 -4. 22. 5. 175. 25. 26. 27. 28. 29. 30. 31. 32.-
 78 -3. 21. 181. -4. 49. 50. -3. 180. 22. 181. -4. 22. 184.-
 79 -3. 181. -4. 49. 50. -3. 180. 22. 181. -4. 22. 184.-
 80 23. 185. 49. 33. 45. 147. 43. 46. 48. -4. 27. 28.-
 81 24. -3. 25. -3. 147. -4. 175. 25. 26. 27. 28. 29.-
 82 30. 31. 32. -3. 33. -3. 147. -4. 175. 25. 26. 27.-
 83 28. 29. 30. 31. 32. -3. 23. 24. 25. 26. 27. 28.-
 84 29. 30. 31. 32. -3. 49. -3. 24. -3. 147. -4. 23.-
 85 175. 25. 26. 27. 28. 29. 30. 31. 32. -3. 49. -3.-
 86 24. -3. 147. -4. 23. 175. 25. 26. 27. 28. 29. 30.-
 87 31. 32. -3. 49. -3. 24. -3. 147. -4. 23. 175. 25.-
 88 26. 27. 28. 29. 30. 31. 32. -3. 49. -3. 24. -3.-
 89 23. -3. 49. -3. 24. -3. 147. -4. 175. 25. 26. 27.-
 90 28. 29. 30. 31. 32. -3. 16. 17. -3. 16. -3. 17.-
 91 -3. 147. 2. -4. 11. -4. 12. 15. 2. -3. 15. 147.-
 92 2. -4. 147. -4. 175. 25. 26. 27. 28. 29. 30. 31.-
 93 32. -3. 175. 25. 26. 27. 28. 29. 30. 31. 32. -3.-
 94 147. -4. 175. 25. 26. 27. 28. 29. 30. 31. 32. -3.-
 95 15. 147. 174. 167. 176. 12. 18. 34. 177. 178. 21. 37.-
 96 25. 26. 42. 38. 36. 39. 35. 40. 179. 41. -3. 147.-
 97 -4. 175. 25. 26. 27. 28. 29. 30. 31. 32. -3. 175.-
 98 25. 26. 27. 28. 29. 30. 31. 32. -3. 175. 12. -3. 12.-
 99 -3. 15. 147. 174. 167. 176. 12. 18. 34. 177. 178. 21.-
 100 37. 25. 26. 42. 38. 36. 39. 40. 179. 41. -3. 147.-
 101 147. -4. 175. 25. 26. 27. 28. 29. 30. 31. 32. -3.-
 102 175. 25. 26. 27. 28. 29. 30. 31. 32. -3. 147. 2. -4. 175. 25.-
 103 -3. 15. -3. 12. -3. 12. -3. 147. 2. -4. 175. 25.-

2F	B6	91	FD	20	1F	1E	1D	1C	1B	1A	19	0228	104	26.	27.	28.	29.	30.	31.	32.	-3.	145.	182.	47.	49.-		
93	2D	21	2C	B9	1A	20	B8	17	02	B7	31	0234	105	183.	2.	23.	184.	32.	26.	185.	44.	33.	45.	147.	43.	-	
15	B2	B1	22	12	0C	80	A7	AE	30	2E	2B	0240	106	46.	48.	174.	167.	176.	12.	18.	34.	179.	41.	-3.	147.	37.	-
93	FD	29	B3	28	23	27	24	26	2A	19	25	024C	107	25.	42.	38.	36.	39.	35.	40.	177.	178.	21.	37.	25.	26.	42.-
1A	19	25	15	B2	B1	22	12	0C	B0	A7	AE	0258	108	167.	176.	12.	18.	34.	177.	178.	41.	-3.	147.	174.	-		
1A	19	AF	FD	29	B3	28	2	27	24	26	2A	0264	109	38.	36.	39.	35.	40.	179.	41.	-3.	175.	25.	25.	26.	27.-	
FD	02	0C	FC	9.	FD	20	1.	1E	1D	1C	1B	0270	110	28.	29.	30.	31.	32.	-3.	145.	-4.	12.	2.	-3.	147.	-	
1A	19	AF	FC	93	OB	FC	02	0F	FC	02	93	027C	111	2.	-4.	15.	2.	-4.	11.	147.	-4.	175.	25.	26.	27.	-	
0F	93	FD	02	OB	FD	20	1F	1E	1D	1C	1B	0288	112	28.	29.	30.	31.	32.	-3.	11.	2.	-3.	147.	15.	2.	-	
BO	A7	AE	93	A9	A3	FD	11	FC	0F	FC	02	0294	113	-4.	15.	-4.	17.	-3.	163.	169.	147.	174.	167.	176.	12.	-	
24	26	2A	1A	19	25	15	B2	B1	22	12	0C	02A0	114	18.	34.	177.	178.	21.	37.	25.	26.	42.	38.	36.	39.	-	
FC	04	93	FD	04	0F	FD	29	B3	28	23	27	02AC	115	35.	40.	179.	41.	-3.	15.	4.	-3.	147.	4.	-4.	175.	-	
FD	13	FD	20	1F	1E	1D	1C	1B	1A	19	AF	02B8	116	25.	26.	27.	28.	29.	30.	31.	32.	-3.	19.	-3.	147.	-	
1E	1D	1C	1B	1A	19	AF	FC	06	14	FC	93	02C4	117	-4.	20.	6.	-4.	175.	25.	26.	27.	28.	29.	30.	31.	-	
26	2A	15	B2	B1	22	12	0C	A7	FD	20	1F	02D0	118	32.	-3.	167.	12.	18.	34.	177.	178.	21.	42.	38.	36.	-	
B1	22	12	0C	A7	FD	29	B3	28	23	27	24	02DC	119	39.	35.	40.	179.	41.	-3.	167.	12.	18.	34.	177.	178.	-	
93	FD	29	B3	28	23	27	24	26	2A	15	B2	02E8	120	21.	42.	38.	36.	39.	35.	40.	179.	41.	-3.	147.	2.	-	
19	25	15	B2	B1	22	12	0C	B0	A7	AE	02	02F4	121	174.	167.	176.	12.	18.	34.	177.	178.	21.	37.	25.	26.	-	
19	AF	FD	29	B3	28	23	27	24	26	2A	1A	0300	122	42.	38.	36.	39.	35.	40.	179.	41.	-3.	175.	25.	26.	-	
FD	0F	FD	0C	FD	20	1F	1E	1D	1C	1B	1A	030C	123	27.	28.	29.	30.	31.	32.	-3.	12.	-3.	15.	-3.	171.	-	
FC	06	16	FC	16	93	FD	06	15	FD	15	AB	0318	124	21.	-3.	21.	6.	-3.	147.	22.	-4.	22.	6.	-4.	147.	-	
0C	BO	A7	AE	93	AD	FC	06	16	FC	16	93	0324	125	22.	-4.	22.	6.	-4.	173.	147.	174.	167.	176.	12.	18.	-	
27	24	26	2A	1A	19	25	15	B2	B1	22	12	0330	126	34.	177.	178.	21.	37.	25.	26.	42.	38.	36.	39.	35.-		
AF	FC	04	93	FD	04	0F	FD	29	B3	28	23	033C	127	40.	179.	41.	-3.	15.	4.	-3.	147.	4.	-4.	175.	25.	-	
1A	19	AF	FD	20	1F	1E	1D	1C	1B	1A	19	0348	128	26.	27.	28.	29.	30.	31.	32.	-3.	175.	25.	26.	27.	-	
00	FD	20	1F	1E	1D	1C	1B	1A	19	0354	129	28.	29.	30.	31.	32.	-3.	0	175.	25.	26.	27.	-				
												035C	130														

.sbttl Action Table												Next action the parser should perform.																		
.align long																														
pat\$aw_action::																														
FFF6 007A	FFF9	FFFA	FFFC	FFFE	0076	035C	132					035C	138	-2.	-4,	-6,	-7,	122,	-10,	-11,	125,	-14,	-15,	128,	391					
0080	FFF1	FFF2	007D	FFF5		035C	133					036A	139	398,	-40,	-41,	-42,	-43,	-44,	-45,	-46,	-47,	-48,	-49,	-50,					
FFD4 FFD5	FFD6	FFD7	FFD8	018E	0187	035C	134					FFCF FFD0	FFD1	FFD2	FFD3	0382	140	-51,	-52,	-53,	-54,	403,	445,	-63,	-64,	-65,	-66,	-67,	490	
01BD 0193	FFCA	FFCB	FFCC	FFCD	FFCE	FFBD FFBF	FFBF	FFCO	FFC1	039A	03A4	03A5	03A6	03A7	03A8	141	-69,	-70,	-71,	-72,	492,	539,	546,	-78,	-79,	-80,	-81,	548		
021B 01EC	FFB8	FFB9	FFBA	FFBB	01EA	FFAF FFB0	FFB1	FFB2	0222	03A9	03A10	03A11	03A12	03A13	03A14	03A15	03B2	142	561,	599,	631,	-89,	633,	-94,	-95,	-96,	-97,	-98,	642,	655
FFA2 0279	FFA7	0277	0257	0231	0224	FF7A FF7B	029A	0298	FFED	0292	028F	FF75 FF76	FF77	FF78	FF79	03D4	143	658,	-19,	664,	666,	-133,	-134,	-135,	-136,	-137,	-138,	-139,	723	
FF9B FF9C	FF9D	FF92	02F3	02E3	02D3	FF8F FF90	0314	FF91	FF9A	03FA	03EC	03FA	03FA1	03FA2	03FA3	03FA4	144	739,	755,	-110,	-99,	-100,	-101,	-102,	-111,	788,	-112,	-113,	-114	
FF7E FF93	FF94	FF95	FF96	FF97	FF8E	FF6C FF6D	FF6E	FFD9	FFDD	0404	0412	0410	0411	0412	0413	0414	145	-105,	-106,	-107,	-108,	-109,	-130,	-35,	-39,	-146,	-147,	-148,	-149	
FF88 FF6F	FF70	032A	0318	FF6A	FF6B	FFB3 FF84	FF85	FF86	FF87	041C	042A	042B	042C	042D	042E	042F	146	-150,	792,	810,	-144,	-145,	-120,	-121,	-122,	-123,	-124,	-125,	-126	
FF5E FF5F	FF60	FF7F	FF80	FF81	FF82	FFFD FFFF	270F	FF53	FF5D	0434	0442	0440	0441	0442	0443	0444	147	-127,	-128,	-129,	-160,	-161,	-162,	-163,	-173,	9999,	-1,	-3,	-5	
FFF3 FFF4	0004	FFF7	FFF8	0004	FFF8	044C	045A	045B	045C	045D	045E	045F	0460	0461	0462	0463	148	4,	-8,	-9,	4,	-12,	-13,	9999,	-16,	169,	-18,	-20,	176	
FF22 0100	FF24	FF25	FF26	00B6	00B0	0464	0465	0466	0467	0468	0469	046A	046B	046C	046D	046E	149	182,	-218,	-219,	-220,	256,	-222,	264,	373,	-226,	379,	281,	293	
FF41 FF4E	0164	0153	0142	0133	0125	047C	047D	047E	047F	048A	048B	048C	048D	048E	048F	048G	150	307,	322,	339,	356,	-178,	-191,	210,	-194,	-195,	-196,	219,	-198	
FF34 FF35	FF36	FF4B	FF4C	00E4	FF3A	0494	0495	0496	0497	0498	0499	049A	049B	049C	049D	049E	151	228,	-180,	-181,	-202,	-203,	-204,	-205,	-206,	-207,	-208,	242,	9999	
FFEA FFEB	270F	FFE9	00AD	FFE9	270F	04AC	04AC1	04AC2	04AC3	04AC4	04AC5	04AC6	04AC7	04AC8	04AC9	04AC10	152	-17,	173,	-23,	9999,	-21,	-22,	132,	178,	-10214,	180,	9999,	-243	
FF41 FF4E	00C6	270F	00B8	270F	FF0D	04C4	04C5	04C6	04C7	04C8	04C9	04C10	04C11	04C12	04C13	04C14	153	9999,	184,	9999,	198,	-178,	-191,	210,	-194,	-195,	-196,	219,	-198	
00D0 00A0	FF4A	FF4B	FF4C	00E4	FF3A	04DC	04DC1	04DC2	04DC3	04DC4	04DC5	04DC6	04DC7	04DC8	04DC9	04DC10	154	228,	-180,	-181,	-182,	160,	208,	-183,	-184,	-185,	-186,	-187,	-188	
FF40 00BA	FF4D	D819	FF42	FF43	FF44	04F4	04F5	04F6	04F7	04F8	04F9	04EA	04EB	04EC	04ED	04ED1	155	-189,	-190,	-10215,	-179,	186,	-192,	-193,	-194,	-195,	-196,	219,	-198	
FF3D FF3E	FF38	FF3B	00A0	00E4	FF3A	050C	050D	050E	050F	050G	050H	050I	050J	050K	050L	050M	156	228,	160,	-197,	-200,	-194,	-195,	-196,	219,	-198,	228,	160,	230	
FF48 FF49	00D0	FF37	FF39	00B9	00E6	0524	0525	0526	0527	0528	0529	052A	052B	052C	052D	052E	157	185,	-199,	-201,	208,	-183,	-184,	-185,	-186,	-187,	-188,	-189,	-190	
270F FF29	FF2A	FF2D	00F7	270F	FF42	053C	053D	053E	053F	053G	053H	053I	053J	053K	053L	053M	158	9999,	247,	-211,	-214,	-215,	9999,	251,	-210,	-212,	244,	-209,	254	
270F FF1B	0103	00F4	FF2B	270F	00FE	0554	0555	0556	0557	0558	0559	055A	055B	055C	055D	055E	159	9999,	-213,	244,	259,	-229,	9999,	262,	-230,	9999,	-232,	-10219,	-223	
0133 0125	0119	FF19	FF1D	0113	FF21	056C	056D	056E	056F	056G	056H	056I	056J	056K	056L	056M	160	275,	-227,	-231,	281,	293,	307,	322,	339,	356,	185,	277,	9999	
00B9 011B	D812	FF18	270F	0117	270F	0584	0585	0586	0587	0588	0589	058A	058B	058C	058D	058E	161	279,	9999,	-232,	-10222,	283,	185,	208,	-183,	-184,	-185,	-186,	-187	
270F 0127	D809	FF42	FF43	FF44	FF45	059C	059D	059E	059F	059G	059H	059I	059J	059K	059L	059M	162	-188,	-189,	-190,	-10231,	295,	9999,	297,	185,	208,	-183,	-184,	-185	
D808 FF42	FF43	FF44	FF45	FF46	FF47	05B4	05B5	05B6	05B7	05B8	05B9	05B10	05B11	05B12	05B13	05B14	163	-186,	-187,	-188,	-189,	-190,	-10232,	318,	208,	-183,	-184,</			

0140 D806	FF47 FF48 FF49 00D0 013E 05C2	05CC 164	-187, -188, -189, -190,-10234, 320, 9999, -235, 9999, 324, 185, 335
FF45 FF46	FF47 FF48 FF49 00D0 014F 05E4	05DA 165	208, -183, -184, -185, -186, -187, -188, -189, -190,-10238, 337, 9999
00D0 0160	00B9 0155 270F FF13 270F 05F2	05FC 166	-237, 9999, 341, 185, 352, 208, -183, -184, -185, -186, -187, -188
FF45 FF46	FF47 FF48 FF49 060A	0614 167	-189, -190,-10239, 354, 9999, -238, 9999, 358, 185, 369, 208, -183
FF12 270F	0162 D801 FF42 FF43 FF44 0622	062C 168	-184, -185, -186, -187, -188, -189, -190,-10240, 371, 9999, -239, 9999
00D0 0171	00B9 0166 270F 0644	063A 169	375,-10180, 377, 9999, -225, 9999, 381, 185, 208, -183, -184, -185
FF43 FF44	FF45 FF46 FF47 FF48 FF49 0652	065C 170	-186, -187, -188, -189, -190,-10226, 394, 396, 9999, -25,-10022, -29
D80E FF42	FF43 FF44 FF45 FF46 FF47 066A	0674 171	-10026, 401, -27, 185, -26, 232, 407, 433, -58, 9999, 411, 423
00E8 FFE6	00B9 FFE5 0191 D8D6 FFE3 0682	068C 172	-59, 185, 413, 185, 208, -183, -184, -185, -186, -187, -188, -189, -190,-10054
FF49 00D0	00B9 019D 00B9 FFC5 01A7 069A	06A4 173	-190,-10053, 208, -183, -184, -185, -186, -187, -188, -189, -190,-10055
FF47 FF48	FF49 00D0 D8BB FF42 FF43 06B2	06B2 174	435, 185, 208, -183, -184, -185, -186, -187, -188, -189, -190,-10055
FF47 FF48	FF49 00D0 00B9 01B3 D8BA 06CA	06D4 175	468, 480, -178, -191, 210, -194, -195, -196, 219, -198, 228, -180
FF3E 00D2	FF41 FF4E 01E0 01D4 D8B9 06E2	06EC 176	-181, -182, -202, -203, -204, -205, -206, -207, -208, 242,-10058, 470
FF33 FF34	FF35 FF36 FF4A FF4B FF4C 06FA	06FA 177	435, 185, 208, -183, -184, -185, -186, -187, -188, -189, -190,-10059, 208
FF46 FF47	FF48 FF49 00D0 00B9 01D6 0704	0712 178	-183, -184, -185, -186, -187, -188, -189, -190,-10060, -68, 9999, 494
FF44 FF45	FF46 FF47 FF48 FF49 00D0 071C	072A 179	9999, 517, 529, -178, -191, 210, -194, -195, -196, 219, -198, 228
00D2 FF41	FF4E 0211 0205 270F 01EE 0734	0742 180	-180, -181, -182, -202, -203, -204, -205, -206, -207, -208, 242,-10071
FF34 FF35	FF36 FF4A FF4B FF4C 00E4 074C	075A 181	519, 185, 208, -183, -184, -185, -186, -187, -188, -189, -190,-10072
FF47 FF48	FF49 00D0 00B9 0207 D8A9 0764	0772 182	208, -183, -184, -185, -186, -187, -188, -189, -190,-10073, 542, -103
FF45 FF46	FF47 FF48 FF49 00D0 D8A8 077C	078A 183	9999, 544,-10074, -104, 9999, -77, 9999, 551, -83, 185, 208, -183
FFB3 270F	FF98 D8A6 0220 270F FF99 0794	07A2 184	-184, -185, -186, -187, -188, -189, -190,-10080, -85, 176, 182, -218
FF43 FF44	FF45 FF46 FF47 FF48 FF49 07AC	07BA 185	-181, -182, -183, -184, -185, -186, -187, -188, -189, -190,-10082, 621, -178
00B6 00B0	FFAB D8A0 FF42 07C4	07DC 186	339, 356, -178, -191, 210, -194, -195, -196, 219, -198, 228, -180, -181, -182, -202
0175 0108	FF22 0100 FF24 FF25 FF26 07D2	07EA 187	-181, -182, -183, -184, -185, -186, -187, -188, -189, -190,-10084, 208, -183, -184, -185
FF3E 00D2	FF41 FF4E 0164 0153 0142 0802	080C 188	-219, -220, 256, -222, 264, 373, -226, 379, 281, 293, 307, 322
00E4 FF3A	00DB FF3C FF3D FF3E 081A	0824 189	339, 356, -178, -191, 210, -194, -195, -196, 219, -198, 228, -180, -181, -182, -202
FF32 FF33	FF34 FF35 FF36 FF4B FF4C 0824	0832 190	-203, -204, -205, -206, -207, -208, 242,-10085, -88, 132, 636, -91, 9999, 639
00DB FF3C	FF3D FF3E 00D2 FF41 FF4E 083C	084A 191	-191, 210, -194, -195, -196, 219, -198, 228, -180, -181, -182, -202
FF30 FF31	FF32 FF33 FF34 FF35 FF36 0854	0862	-186, -187, -188, -189, -190,-10085, -92, 185, -90, -93, 232, -31, 645, 185, 208, -185, -184, -185
D89B FF42	FF43 FF44 FF45 FF46 FF47 0854		
FFE1 00E8	FFA3 FFA6 00B9 FFA4 027F 0854		
FF48 FFA9	00D0 00B9 0285 0862		

D8D0 FF42	FF43	FF44	FF45	FF46	FF47	086C	192	-186, -187, -188, -189, -190, -10032,	-32, -33, 9999, 662, -37, -38
02B2 270F	FFDB 0296	270F	FFDF	FFEO	087A	0884	193	185, -36, 232, -30, 9999, 690, 706, 713, -178, -191, 210, -194	
FF4C 00E4	00D2 FF41	00E8 FFDC	00B9 02C9	FFDA 02C2	0892	089C	194	-195, -196, 219, -198, 228, -180, -181, -182, -202, -203, -204, -205	
02B5 D86E	00F2 FF30	FF31	FF32	FF33	08B4	195	-206, -207, -208, 242, -10130, 693, -156, -10129, 696, -157, 185, 208		
FF44 FF45	FF46 FF47	FF48	FF49	00D0	08CC	196	-183, -184, -185, -186, -187, -188, -189, -190, -10153, 708, -10149, 710		
FF49 00D0	00E8 FF67	FF68	00B9 02C6	08E4	197	185, -152, -153, 232, 208, -183, -184, -185, -186, -187, -188, -189			
FF3C FF3D	FF3E FF74	D858	FF42	FF43	08FC	198	-190, -10152, -140, -194, -195, -196, 219, -198, 228, -202, -203, -204		
D865 00F2	FF30 00E4	FF31	FF32	FF33	090A	199	-205, -206, -207, -208, 242, -10139, -142, -194, -195, -196, 219, -198		
FF32 FF33	FF34 FF35	FF36	00E4	FF3A	092C	200	228, -202, -203, -204, -205, -206, -207, -208, 242, -10141, 778, -119		
FF3C FF3D	FF3E 00D2	FF41	FF4E	FF89	0944	201	-178, -191, 210, -194, -195, -196, 219, -198, 228, -180, -181, -182		
FF31 FF32	FF33 FF34	FF35	FF36	FF4A	095C	202	-202, -203, -204, -205, -206, -207, -208, 242, -10115, 208, -183, -184		
FF42 FF43	FF44 FF45	FF46	FF47	FF48	0974	203	-185, -186, -187, -188, -189, -190, -10116, 790, 9999, -115, -10114, 795		
0321 D853	FF56 031E	D854	0324	031B	098C	204	804, -10156, 798, -170, -10157, 801, -167, 185, -165, -169, 232, 807		
0341 00E8	FF58 FF5C	00B9	FF5A	0327	09A4	205	-166, 185, -164, -168, 232, 833, 849, -178, -191, 210, -194, -195		
FF4B FF4C	00E4 FF3A	00DB	FF3C	FF3D	09BC	206	-196, 219, -198, 228, -180, -181, -182, -202, -203, -204, -205, -206		
FF50 0344	D846 00F2	FF30	FF31	FF32	09D4	207	-207, -208, 242, -10170, 836, -176, -10169, 839, -177, 185, 208, -183		
FF43 FF44	FF45 FF46	FF47	FF48	FF49	09EC	208	-184, -185, -186, -187, -188, -189, -190, -10173, 208, -183, -184, -185		
D844 FF42	FF43 FF44	FF45	FF46	FF47	0A04	209	-186, -187, -188, -189, -190, -10172, 0		
					0A12				
					0A14	210			

.sbttl Semantic Action Dispatch table to semantic action routines.

0C01	270		
0C01	271	.align long	
0C01	272		
0C04	273		
0C04	274	pat\$al_sem::	
00000000 00000000 00000000	0C04	.long 0-	
0C10	275		
00000000 00000000 00000000	0C10	.GOAL	.MTXT1
00000000 00000000 00000000	0C10	.MTXT3	.MTXT4
00000000 00000000 00000000	0C1C	.STAT1	.0
00000000 00000000 00000000	0C28	.0	.STAT4
00000000 00000000 00000000	0C34	.ERRDOL	.0
00000000 00000000 00000000	0C40	.0	.0
00000000 00000000 00000000	0C4C	.MINST1	.OPRAND
00000000 00000000 00000000	0C58	.ERRREF	.ERRREF
00000000 00000000 00000000	0C64	.LBL2	.ASSGN1
00000000 00000000 00000000	0C70	.ASSHD1	.ASSHD2
00000000 00000000 00000000	0C7C	.IFSPL	.IF
00000000 00000000 00000000	0C88	.0	.IFHD1
00000000 00000000 00000000	0C94	.IIF2	.ERRIIF
00000000 00000000 00000000	0CA0	.MACRO	.IFF
00000000 00000000 00000000	0CAC	.IFTF	.IRP
00000000 00000000 00000000	0CB8	.0	.0
00000000 00000000 00000000	0CC4	.ENABL	.LIST
00000000 00000000 00000000	0CD0	.PSECT	.CSAVE
00000000 00000000 00000000	0CDC	.ENTRY1	.ENTRY2
00000000 00000000 00000000	0CE8	.ERRENT	.ERRENT
00000000 00000000 00000000	0CF4	.ALIGN2	.ALIGN2
00000000 00000000 00000000	0D00	.LIBRY	.MCALL
00000000 00000000 00000000	0DOC	.NARG	.NCHR
00000000 00000000 00000000	0D18	.SBTTL	.TITLE
00000000 00000000 00000000	0D24	.VECTRO	.VECTR1
00000000 00000000 00000000	0D30	.0	.XFER
00000000 00000000 00000000	0D3C	.BDEND1	.BDEND2
00000000 00000000 00000000	0D48	.REPT	.ERREPT
00000000 00000000 00000000	0D54	.NTYPE2	.FBROP1
00000000 00000000 00000000	0D60	.DREF	.SETDFL
00000000 00000000 00000000	0D6C	.ERROPD	.ERROPD
00000000 00000000 00000000	0D78	.CROENB	.CRODSB
00000000 00000000 00000000	0D84	.EVEN	.LINK
00000000 00000000 00000000	0D90	.GLOBAL	.EXTRN
00000000 00000000 00000000	0D9C	.IDLIST	.IDLIST
00000000 00000000 00000000	0DA8	.RFHD2	.RFHD4
00000000 00000000 00000000	0DB4	.RFHD16	.ALIGN
00000000 00000000 00000000	0DC0	.ERROR	.PRINT
00000000 00000000 00000000	0DCC	.NTHD1	.NTHD2
00000000 00000000 00000000	0DD8	.BSTAT2	.ERRBLK
00000000 00000000 00000000	0DE4	.BLKBYT	.BLKQUD
00000000 00000000 00000000	0DF0	.BLKLNG	.BLKQUD
00000000 00000000 00000000	0DFC	.BLKQUD	.BLKOCT
00000000 00000000 00000000	0E08	.REPTHD	.0
00000000 00000000 00000000	0E14	.0	.0
00000000 00000000 00000000	0E20	.FLOAT	.DOUBLE
00000000 00000000 00000000	0E2C	.HFLOAT	.QUDSTR
00000000 00000000 00000000	0E38	.OCTSTR	.DATNUL
00000000 00000000 00000000	0E44	.OCTA	.BYTE
00000000 00000000 00000000	0E50	.SGNBYT	.SGNWRD
00000000 00000000 00000000	0E5C	.DALST1	.DALST2

00000000'00000000'00000000'	OE68	327	,DATARG	,DATARG	,ERRDAR
00000000'00000000'00000000'	OE74	328	,ERRDAR	,CHARHD	,CHARHD
00000000'00000000'00000000'	OE80	329	,ASCII	,ASCIZ	,ASCID
00000000'00000000'00000000'	OE8C	330	,ASCIC	,CHRARG	,CHRARG
00000000'00000000'00000000'	OE98	331	,CHRNUL	,CHRNUL	,ERRCHA
00000000'00000000'00000000'	OEAC	332	,ERRCHA	,ERRCHA	,0
00000000'00000000'00000000'	OEAE	333	,ERRADR	,ADDRES	,STOADR
00000000'00000000'00000000'	OEBO	334	,STOADR	,ERRADR	,ERRADR
00000000'00000000'00000000'	OEBC	335	,0	,EXPBIN	,OPCOM
00000000'00000000'00000000'	OECA	336	,OPSAME	,OPNEG	,OPPLUS
00000000'00000000'00000000'	OEDE	337	,OPMINU	,OPMUL	,OPDIV
00000000'00000000'00000000'	OEEO	338	,OPAND	,OPOR	,OPXOR
00000000'00000000'00000000'	OEEC	339	,OPASH	,0	,PRMUN
00000000'00000000'00000000'	OEFA	340	,ERREXP	,PRMSYM	,PRMPC
00000000'00000000'00000000'	OF04	341	,PRMINT	,PRMRDX	,0
00000000'00000000'00000000'	OF10	342	,PRMBRK	,ERREXP	,ERREXP
00000000'00000000'00000000'	OF1C	343	,RDXHEX	,RDXDEC	,RDXBIN
00000000'00000000'00000000'	OF28	344	,RDXOCT	,NUMASC	,NUMFLT
00000000'00000000'00000000'	OF34	345	,0	,MASK	,MASKNL
00000000'00000000'00000000'	OF40	346	,MASKX	,RGLST1	,REGLST
00000000'00000000'00000000'	OF4C	347	,0	,0	,REF1
00000000'00000000'00000000'	OF58	348	,LITERL	,REF2	,REF3
00000000'0000C000'00000000'	OF64	349	,ERRREF	,RDEFER	,AUTOI
00000000'00000000'00000000'	OF70	350	,AUTOII	,AUTOI3	,AUTODC
00000000'00000000'00000000'	OF7C	351	,DISP	,DISPI	,GENLDS
00000000'00000000'00000000'	OF88	352	,ERRBRF	,ERRBRF	,ERRBRF
00000000'00000000'00000000'	OF94	353	,AINC1	,AINC2	,AINC3
00000000'00000000'00000000'	OFA0	354	,DISPL1	,DISPL2	,DISPL3
00000000'00000000'00000000'	OFAC	355	,DISPL4	,DISPL5	,DISPL6
00000000'00000000'00000000'	OFB8	356	,DISPL7	,DISPL8	,INDEX
00000000'00000000'00000000'	OFCA	357	,0		
00000000'00000000'00000000'	OFD0	358	.end		

ADDRES	*****	X	01	ENDC	*****	X	01	MCALL	*****	X	01
AINC1	*****	X	01	ENDPRG	*****	X	01	MEXIT	*****	X	01
AINC2	*****	X	01	ENTRY1	*****	X	01	MINST1	*****	X	01
AINC3	*****	X	01	ENTRY2	*****	X	01	MTXT1	= 00000000		
ALIGN	*****	X	01	ERRADR	*****	X	01	MTXT2	= 00000000		
ALIGN1	*****	X	01	ERRASN	*****	X	01	MTXT3	*****	X	01
ALIGN2	*****	X	01	ERRBLK	*****	X	01	MTXT4	*****	X	01
ASCIC	*****	X	01	ERRBRF	*****	X	01	NARG	*****	X	01
ASCID	*****	X	01	ERRCHA	*****	X	01	NCHR	*****	X	01
ASCII	*****	X	01	ERRDAR	*****	X	01	NLIST	*****	X	01
ASCIZ	*****	X	01	ERRDOL	*****	X	01	NTHD1	*****	X	01
ASSGN1	*****	X	01	ERRENT	*****	X	01	NTHD2	*****	X	01
ASSHD1	*****	X	01	ERREPT	*****	X	01	NTYPE1	*****	X	01
ASSHD2	*****	X	01	ERREXP	*****	X	01	NTYPE2	*****	X	01
ASSHD3	*****	X	01	ERRIF	*****	X	01	NULL	= 00000000		
AUTODC	*****	X	01	ERRMRS	*****	X	01	NUMASC	*****	X	01
AUTOI	*****	X	01	ERRMST	*****	X	01	NUMFLT	*****	X	01
AUTOI3	*****	X	01	ERROPD	*****	X	01	OCTA	*****	X	01
AUTOII	*****	X	01	ERROR	*****	X	01	OCTSTR	*****	X	01
BDEND1	*****	X	01	ERROR1	*****	X	01	ODD	*****	X	01
BDEND2	*****	X	01	ERROR2	*****	X	01	OPAND	*****	X	01
BLKBYT	*****	X	01	ERRREF	*****	X	01	OPASH	*****	X	01
BLKLNG	*****	X	01	EVEN	*****	X	01	OPCOM	*****	X	01
BLKOCT	*****	X	01	EXPBIN	*****	X	01	OPDIV	*****	X	01
BLKQUD	*****	X	01	EXTRN	*****	X	01	OPMINU	*****	X	01
BLKWRD	*****	X	01	FLOAT	*****	X	01	OPMUL	*****	X	01
BSTAT1	*****	X	01	GENLDS	*****	X	01	OPNEG	*****	X	01
BSTAT2	*****	X	01	GFLDAT	*****	X	01	OPOR	*****	X	01
BYTE	*****	X	01	GLOBAL	*****	X	01	OPPLUS	*****	X	01
CHARHD	*****	X	01	GOAL	*****	X	01	OPRAND	*****	X	01
CHRARG	*****	X	01	HFLOAT	*****	X	01	OPSAME	*****	X	01
CHRNUL	*****	X	01	IDENT	*****	X	01	OPXOR	*****	X	01
CRESTO	*****	X	01	IDLIST	*****	X	01	PACKED	*****	X	01
CRODSB	*****	X	01	IF	*****	X	01	PAGE	*****	X	01
CROENB	*****	X	01	IFF	*****	X	01	PAT\$AB_LHS	00000B0C	RG	01
CSAVE	*****	X	01	IFHD1	*****	X	01	PAT\$AB_POP	00000A14	RG	01
DALST1	*****	X	01	IFSPL	*****	X	01	PAT\$AB_SYMLST	00000000	RG	01
DALST2	*****	X	01	IFSYNT	*****	X	01	PAT\$AL_SEM	00000C04	RG	01
DATARG	*****	X	01	IFT	*****	X	01	PAT\$AW_ACTION	0000035C	RG	01
DATNUL	*****	X	01	IFTF	*****	X	01	PRINT	*****	X	01
DEBUG	*****	X	01	IIF	*****	X	01	PRMBRK	*****	X	01
DELETE	*****	X	01	IIF2	*****	X	01	PRMINT	*****	X	01
DFNOPC	*****	X	01	INDEX	*****	X	01	PRMPC	*****	X	01
DIRREF	*****	X	01	IRP	*****	X	01	PRMRDX	*****	X	01
DISP	*****	X	01	IRPC	*****	X	01	PRMSYM	*****	X	01
DISP1	*****	X	01	LBL1	*****	X	01	PRMUN	*****	X	01
DISPL1	*****	X	01	LBL2	*****	X	01	PSECT	*****	X	01
DISPL2	*****	X	01	LIBRY	*****	X	01	QUAD	*****	X	01
DISPL3	*****	X	01	LINK	*****	X	01	RDEFER	*****	X	01
DISPL4	*****	X	01	LIST	*****	X	01	RDXBIN	*****	X	01
DISPL5	*****	X	01	LITERL	*****	X	01	RDXDEC	*****	X	01
DISPL6	*****	X	01	LONG	*****	X	01	RDXHEX	*****	X	01
DISPL7	*****	X	01	MACRO	*****	X	01	RDXOCT	*****	X	01
DISPL8	*****	X	01	MASK	*****	X	01	REF1	*****	X	01
DOUBLE	*****	X	01	MASKNL	*****	X	01	REF2	*****	X	01
DSABL	*****	X	01	MASKX	*****	X	01	REF3	*****	X	01

REGLST	*****	X	01
REPT	*****	X	01
REPTHD	*****	X	01
RFHD1	*****	X	01
RFHD16	*****	X	01
RFHD2	*****	X	01
RFHD4	*****	X	01
RFHD8	*****	X	01
RGLST1	*****	X	01
SBTTL	*****	X	01
SETDFL	*****	X	01
SGNBYT	*****	X	01
SGNWRD	*****	X	01
STAT1	*****	X	01
STAT4	*****	X	01
STOADR	*****	X	01
TITLE	*****	X	01
VECTRO	*****	X	01
VECTR1	*****	X	01
VECTR2	*****	X	01
WARN	*****	X	01
WEAK	*****	X	01
WORD	*****	X	01
XFER	*****	X	01

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
ABS	00000000 (0.)	00 (0.)	NOPIC	USR	CON	GBL	NOSHR	NOEXE	RD	NOWRT	NOVEC	LONG
MAC\$PARSE_TABLE	00000FD8 (4056.)	01 (1.)	NOPIC	USR	CON	REL	NOSHR	NOEXE				

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	41	00:00:00.03	00:00:03.02
Command processing	151	00:00:00.37	00:00:03.53
Pass 1	115	00:00:02.11	00:00:08.32
Symbol table sort	0	00:00:00.14	00:00:00.32
Pass 2	120	00:00:00.77	00:00:03.50
Symbol table output	17	00:00:00.05	00:00:00.45
Psect synopsis output	1	00:00:00.01	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	447	00:00:03.50	00:00:19.17

The working set limit was 1050 pages.
 17775 bytes (35 pages) of virtual memory were used to buffer the intermediate code.
 There were 10 pages of symbol table space allocated to hold 195 non-local and 0 local symbols.
 358 source lines were read in Pass 1, producing 25 object records in Pass 2.
 0 pages of virtual memory were used to define 0 macros.

Macro library name

\$255\$DUA28:[MACRO.OBJ]MACRO.MLB;1
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries)

Macros defined

0
0
0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LI\$S:LRPTAB/OBJ=OBJ\$S:LRPTAB MSRC\$S:LRPTAB/UPDATE=(ENH\$S:LRPTAB)+LIB\$S:MACRO/LIB

0226 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

